

**REMARKS**

This is a Preliminary Amendment in which the Applicants have amended claims 58 and 59, and added new claims 102-111. No new matter has been added.

Claim 58 has been amended to recite "adding starting material to the chamber." Support for this amendment can be found throughout the specification, for example, on page 7, lines 6-8.

**CONCLUSION**

A favorable first Office Action is respectfully requested.

If, for any reason, the Examiner is of the opinion that a telephone conversation with Applicants' representative would expedite prosecution, the Examiner is kindly invited to contact the undersigned at 1-617-720-3500.

Please charge any fee or fee deficiency occasioned by this Amendment to Deposit Account No. 23/2825.

Respectfully submitted,

*Andrey Z. Jury et al., Applicants*



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**MARKED-UP CLAIMS**

58. (Amended) A reactor for carrying out a reaction involving at least one living cell, comprising:
- a reaction unit including a chamber having a volume of less than 1 ml, an inlet for adding [at least one living cell] starting material to the chamber, and an outlet for release of a product of a reaction involving [the] at least one living cell.
59. (Amended) A reactor as in claim 58, wherein the [reactor further comprises an] inlet is connectable to a source of a chemical or biological starting material.